

[ABSTRACT OF THE DISCLOSURE]

This invention is a "mobile phone's wireless hand-free handset built in the battery packet" and can particularly resolve the harassing problem found in the wired send/receive signal box of a cell phone; it is to insert a low power radio frequency send/receive module into the battery packet of a cell phone and the power of the battery packet is to supply the voltage required for the work; and through the connection port of the battery packet and the cell phone, a voice signal is inserted; and the regulation of the input/output of the voice signal is made in the radio frequency send/receive module and then the signal is sent into the air at an extreme low power; and at the same time, another radio frequency send/receive module is installed in a wireless headset to construct a signal communication network with the low power radio frequency send/receive module in the previous battery packet so that a simple and easy operation of a wireless hand-free handset of a mobile phone is completed.